

Application No.: 10/583,419

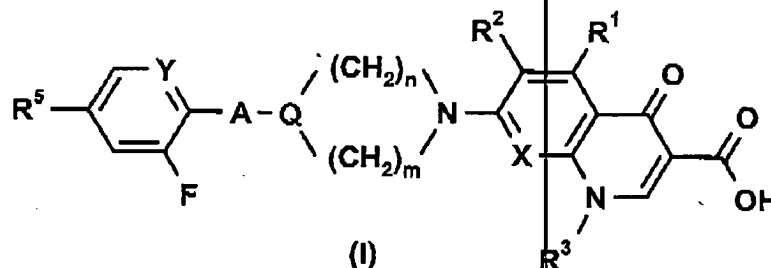
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AMENDMENTS TO THE CLAIMS

Claims 1-18. (cancelled)

Claim 19. (Currently amended) A compound of formula (I)



wherein

A is an alkylene group, an alkenylene group, an alkynylene group, a heteroalkylene group, a cycloalkylene group, a heterocycloalkylene group, an arylene group or a heteroarylene group all of which groups may be substituted;

Q is CR⁴ or N;

X is CR⁷ or N;

Y is CR⁶ or N;

n is ~~1, 2 or 3~~ 2;

m is ~~1, 2 or 3~~ 2;

R¹ is H, F, Cl, Br, I, OH, NH₂, an alkyl group or a heteroalkyl group;

R² is H, F or Cl;

R³ is H, an alkyl group, an alkenyl group, an alkynyl group, a heteroalkyl group, a cycloalkyl group, a heterocycloalkyl group, an aryl group, a heteroaryl group, an alkylaryl group or a heteroarylalkyl group; all of which groups may be substituted with one, two or more halogen atoms or amino groups;

R⁴ is hydroxy, a group of formula OPO₃R⁹₂ or OSO₃R¹⁰ or a heteroalkyl group carrying at least one OH, NH₂, SO₃R¹⁰, PO₃R⁹₂ or COOH group or an ester of a naturally occurring amino acid or a derivative thereof, wherein the groups R⁹

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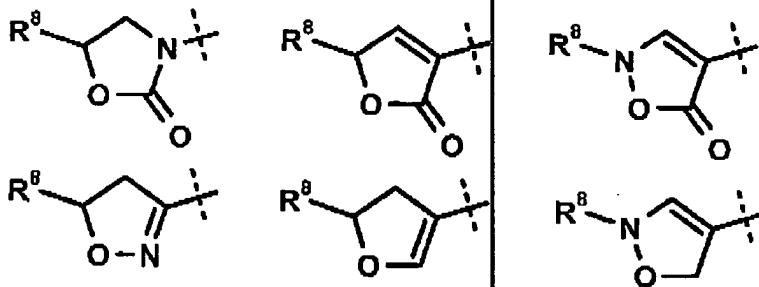
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independently of each other are H, alkyl, cycloalkyl, aryl or aralkyl and wherein R^{10} is H, alkyl, cycloalkyl, aryl or aralkyl;

R^5 is selected from the following groups:



R^6 is H, F, Cl or OMe;

R^7 is H, F, Cl, OH, NH_2 , a substituted or unsubstituted alkyl group or a substituted or unsubstituted heteroalkyl group, or

R^3 and R^7 can be linked via an alkylene, an alkenylene or a heteroalkylene group or be a part of a cycloalkylene or heterocycloalkylene group; in case R^3 is not H and R^7 is not H, F, OH, NH_2 or Cl; and

R^8 is a C_{1-6} heteroalkyl, a heteroarylalkyl, a heteroalkylaryl or a heteroalkylheteroaryl group;

or a pharmacologically acceptable salt, solvate, hydrate or formulation thereof.

Claim 20. (Previously presented) A compound of claim 19, wherein R^1 is H.

Claim 21. (Previously presented) A compound according to claim 19, wherein R^2 is F or H.

Claim 22. (Previously presented) A compound of claim 19, wherein R^3 is an ethyl, a 2-propyl, a C_3 - C_6 cycloalkyl, a phenyl or a pyridyl group; all of which may be substituted with one, two, three or more fluorine atoms or amino groups.

Claim 23. (Previously presented) A compound according to claim 19, wherein R^3 is a cyclopropyl group.

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Claim 24. (Previously presented) A compound of claim 19, wherein R^7 and R^3 together form a bridge of the formula $-O-CH_2-N(Me)-$ or $-O-CH_2-CH(Me)-$, wherein the preferred stereochemistry at the chiral center is the one giving the (S) configuration in the final compound.

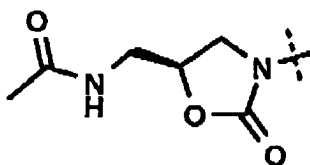
Claim 25. (Previously presented) A compound of claim 19, wherein R^7 is H, F, Cl or a methoxy group which may be substituted by one, two or three fluorine atoms.

Claim 26. (Previously presented) A compound of claim 19, wherein X is N or CH.

Claim 27. (Previously presented) A compound of claim 19, wherein R^4 is hydroxy or a group of formula OSO_3H , OPO_3H_2 , $OCH_2OPO_3H_2$, $OCOCH_2CH_2COOH$ or an ester of a naturally occurring amino acid or a derivative thereof.

Claim 28. (Previously presented) A compound of claim 19, wherein R^8 is a group of the formula $-CH_2NHCOCH=CHAr$ yl, $-CH_2OHeteroaryl$, $-CH_2NHSO_2Me$, $-CH_2NHCOOMe$, $-CH_2NHCOMe$, $-CH_2NHCS_2Me$, $-CH_2NHCSMe$, $-CH_2NHCSNH_2$, $-CH_2NHCSOMe$ or $-NHCOMe$.

Claim 29. (Previously presented) A compound of claim 19, wherein R^5 has the following structure:



Claim 30. (Previously presented) A compound of claim 19, wherein Y is CH or N.

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Claim 31. (Previously presented) A compound of claim 19, wherein A is C₁₋₆ alkylene, C₂₋₆ alkenylene, C₂₋₆ alkynylene, C₁₋₆ heteroalkylene, cyclopropylene, epoxide, aziridine, thioepoxide, lactame or lactone, all of which groups may be substituted.

Claim 32. (Previously presented) A compound of claim 19, wherein A is a group of formula -CH₂CH₂-, -OCH₂-, -OCH₂CH₂-, -SCH₂-, -SCH₂CH₂-, -CH=CH-, -C≡C-, -CH(OH)CH(OH)- or -CH(NH₂)CH(OH)-.

Claim 33. (Previously presented) A mono, di or tri sodium salt of a compound of formula (I) according to claim 19.

Claim 34. (Previously presented) A compound of claim 33 wherein R⁴ is OPO₃H₂ or OSO₃H or mixtures thereof.

Claim 35. (Previously presented) A pharmaceutical composition comprising a compound of claim 19.

Claim 36. (Previously presented) The pharmaceutical composition of claim 35 further comprising one or more optionally carriers and/or adjuvants and/or diluents.

Claim 37. (Previously presented) A pro-drug comprising a compound of claim 19 and at least one pharmacologically acceptable protective group.

Claim 38. (Previously presented) A method for treating a subject suffering from or susceptible to a bacterial infection, comprising administering to the subject a compound of claim 19.

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